Amendments to the Specification

In Section 2 of the Detailed Action, the Examiner requested that the cross-reference to the related applications be updated.

Please amend page 2, lines 1-23 as follows:

U.S. Serial No. 09/282,345, now issued as U.S. Patent No. 6,289,501, entitled A METHOD AND SYSTEM FOR GENERATING A SIMPLE DOCUMENT TYPE DEFINITION FOR DATA INTERCHANGE AMONG SOFTWARE TOOLS;

U.S. Serial No. 09/282,102, now issued as U.S. Patent No. 6,253,366, entitled A METHOD AND SYSTEM FOR GENERATING A COMPACT DOCUMENT TYPE DEFINITION FOR DATA INTERCHANGE AMONG SOFTWARE TOOLS;

U.S. Serial No. 09/282,230, now issued as U.S. Patent No. 6,381,743, entitled A METHOD AND SYSTEM FOR GENERATING A HIERARCHIAL DOCUMENT TYPE DEFINITION FOR DATA INTERCHANGE AMONG SOFTWARE TOOLS;

U.S. Serial No. 09/322,137, now issued as U.S. Patent No. 6,292,932, entitled A SYSTEM AND METHOD FOR CONVERTING FROM ONE MODELING LANGUAGE TO ANOTHER;

~~(1076)~~U.S. Serial No. ~~09/___,___~~ 09/345,290, now issued as U.S. Patent No. 6,408,311, entitled A METHOD FOR IDENTIFYING UML OBJECTS IN A REPOSITORY WITH OBJECTS IN XML CONTENT; and,

~~(1083)~~U.S. Serial No. ~~09/___,___~~ 09/345,291, now issued as U.S. Patent No. 6,330,569, entitled A METHOD FOR VERSIONING A UML MODEL IN A REPOSITORY IN ACCORDANCE WITH AN UPDATED XML REPRESENTATION OF THE UML MODEL.

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Please amend page 13, lines 10-18 as follows:

- The XML Document Type Definitions ("DTD") Production Rules for producing XML DTDs for XMI encoded metadata are specified in the above-cited patent applications, Serial Nos. 09/282,345, now issued as U.S. Patent No. 6,289,501; 09/282,102, now issued as U.S. Patent No. 6,253,366; and, 09/282,230, now issued as U.S. Patent No. 6,381,743. XMI DTDs serve as syntax specifications for XMI documents, and allow generic XML tools to be used to compose and validate XMI documents.

Please amend the paragraph that starts on page 17 line 16 and ends on page 18 line 23, as follows:

The repository 11 further includes methods for cataloging, browsing, modeling, and managing components that make up an application. Methods to support these services are disclosed in several patents and patent applications assigned to the assignee of this patent application, including U.S. Patent 5,671,398 for METHOD FOR COLLAPSING A VERSION TREE WHICH DEPICTS A HISTORY OF SYSTEM DATA AND PROCESSES FOR AN ENTERPRISE; U.S. Patent 5,644,764 for METHOD FOR SUPPORTING OBJECT MODELING IN A REPOSITORY; U.S. Patent 5,581,755 for METHOD FOR MAINTAINING A HISTORY OF SYSTEM DATA AND PROCESSES FOR AN ENTERPRISE; U.S. Patent 5,557,793 for IN AN OBJECT ORIENTED REPOSITORY, A METHOD FOR TREATING A GROUP OF

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OBJECTS AS A SINGLE OBJECT DURING EXECUTION OF AN OPERATION; U.S. Patent 5,889,992, for A METHOD FOR MAPPING TYPES IN A MODEL IN A OBJECT-ORIENTED REPOSITORY TO LANGUAGE CONSTRUCTS FOR A C BINDING FOR THE REPOSITORY; U.S. Patent 5,721,925, for METHOD FOR GENERICALLY INVOKING OPERATIONS IN AN OBJECT ORIENTED REPOSITORY; U.S. Patent 5,848,273, for A METHOD FOR GENERATING OLE AUTOMATION AND IDL INTERFACES FROM METADATA INFORMATION; U.S. Patent 5,765,039 for A METHOD FOR PROVIDING OBJECT DATABASE INDEPENDENCE IN A PROGRAM WRITTEN USING THE C++ ~~PROGRAMING~~ PROGRAMMING LANGUAGE; U.S. Patent 5,758,348, for A METHOD FOR GENERICALLY MANIPULATING PROPERTIES OF OBJECTS IN AN OBJECT ORIENTED REPOSITORY; U.S. Patent 5,701,472, for A METHOD FOR LOCATING A VERSIONED OBJECT WITHIN A VERSION TREE DEPICTING A HISTORY OF SYSTEM DATA AND PROCESSES FOR AN ENTERPRISE; pending application Serial No. 08/655,553, filed on May 30, 1996, now issued as U.S. Patent No. 6,105,073, for A METHOD FOR PACKING/UNPACKING C OPERATIONS TO/FROM RPC COMPATIBLE FORMAT USING THE RPC PROTOCOL TO OPERATE REMOTELY WITH AN OBJECT-ORIENTED REPOSITORY; pending application Serial No. 08/934,833, filed on September 22, 1997, now issued as U.S. Patent No. 6,018,627, for TOOL-INDEPENDENT APPLICATION DEVELOPMENT; and, pending application Serial No. 08/934,834, filed on September 22, 1997, now issued as U.S. Patent No. 6,038,393, for EXCHANGING INFORMATION BETWEEN DIFFERENT OBJECT MODELS AND UML; each of which are hereby incorporated by reference as if set forth in full herein.

Please amend the paragraph on page 24 lines 4-25 as follows:

Referring now to FIG. 5, a block diagram of an implementation of the meta-model architecture of the present invention is shown. First, a modeling tool 35 containing a metamodel description passes the model through a UML to MOF conversion 36 for storage in a MOF repository 37 as a metamodel (UML). Such a conversion may be made by use of the method disclosed in the above-cited co-pending application, Serial No. 09/322,137, now issued as U.S. Patent 6,292,932. Next, DTDs 39 in UML, or Common Warehouse Metadata Interchange ("CWM") or others, are created by a DTD generation 38. The method to accomplish the DTD generation may be accomplished by using a method disclosed in one of the three above-cited co-pending applications Serial Nos. 09/282,102, now issued as U.S. Patent 6,253,366, 09/282,230, now issued as U.S. Patent 6,381,743, or 09/282,345, now issued as U.S. Patent 6,289,501. Alternatively, a UML compliant tool 40 uses an import/export process 41 to store a metamodel in the MOF repository 37. The UML in the tool 40 is also capable of generating XML documents 42 in UML, or CWM, or others. Import is a process of reading models as XMI streams that conform to a particular DTD. Export is a process of transferring XMI streams that conform to a particular model using a specific DTD.

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